

The nucleus measures about 23 seconds of arc in diameter, and 54 secs. preceding it is the star D.M. No. 140 Zone, 37° , R.A. $0^h 40^m 27^s$, Decl. $37^\circ 11' 3''$, magnitude 9.5, epoch 1855.

The stellar nucleus of the comet, and the tail-like projection from it, are also well shown on the second photograph, with an exposure of 30 minutes.

Elements of Comet Holmes (f 1892). By Edward Roberts, F.S.S.

The following elements of the comet discovered by Mr. Holmes on November 6 have been calculated from the observations of November 9 and November 26, taken at the Royal Observatory, Greenwich, kindly communicated by the Astronomer Royal, and the position measured from a supposed photograph of the comet taken by Mr. Schooling, of Hammersmith, on October 18, between 8^h and $9^h 30^m$. The measurements of the photographic plate were made by Miss A. Russell.

Greenwich Mean Time.					Apparent R.A.			Apparent Decl.		
	d	h	m	s		h	m	s		
Oct. 18	8	45			1	2	10.7		$+39^\circ 55' 54''$	
Nov. 9	10	29	40		0	45	52.45		38	18 35.7
	26	9	7	56	0	42	9.8		$+36^\circ 32' 37''$	

Epoch. 1892 Nov. 9.5 Greenwich Mean Time.

ϵ 341 49 6.3

π 328 15 12.3

ν 328 17 6.0

i 22 32 33.2

ϕ 40 19 8.1

Mean Equinox
of 1892.0

$\log a$ 0.7875307

n 233'' 7279

T 1892 April 14.5645

Period 15.1809 years.

The three positions are exactly reproduced.

3 *Verulam Buildings, Gray's Inn, W.C. :*
1892 December 9.

Observations of Holmes' Comet (f 1892) made at the Royal Observatory, Greenwich.
(Communicated by the Astronomer Royal.)

The observations were made with the East, or Sheepshanks Equatorial, aperture 6.7 inches, by taking transits over two cross wires at right angles to each other, and each inclined 45° to the parallel of declination (also occasionally over a third wire bisecting the angle between the other two). Magnifying power, 55.
The observations are corrected for refraction, but not for parallax.

Greenwich Mean Solar Time.		Observer.	R.A.		Log factor of Parallax.	Corr. for Refraction.		-N.P.D.	Log factor of Parallax.	Corr. for Refraction.		No. of Comps.	Apparent R.A.		Apparent N.P.D.		Comp. *
d	h m s		m	s		s	"			"	"		h m s	"	c	'	
1892																	
14 th Nov.	12	8 27 17	A. C.	+0	19.35	8.9679	0.00	+ 8' 40.5	0.3237	+0.2		4	0 44 28.55		51 59 14.3		a
	12	8 29 52	"	-2	27.20	8.9544	0.00	- 2 59.1	0.3218	-0.1		2	0 44 32.26		51 58 51.3		b
	12	8 29 49	C. D.	-2	29.28	8.9593	0.00	- 3 18.3	0.3211	-0.1		2	0 44 30.18		51 58 32.1		b
	12	8 35 58	"	+0	19.21	8.8573	0.00	+ 8 17.1	0.3193	+0.2		4	0 44 28.41		51 58 50.9		a
	14	6 21 19	B.	-3	13.92	9.4887	0.00	+ 7 22.6	0.4631	0.0		2	0 43 45.53		52 9 12.8		b
	14	6 37 45	"	+0	0.21	9.4497	+0.01	-12 23.0	0.4390	0.0		3	0 43 41.41		52 10 13.7		c
	14	6 43 58	C. D.	-3	12.54	9.4316	0.00	+ 8 32.3	0.4307	+0.1		2	0 43 46.91		52 10 22.6		b
	14	7 3 14	"	+0	2.81	9.3669	0.00	-12 0.5	0.4055	0.0		6	0 43 44.00		52 10 36.2		c
	14	8 2 6	"	-0	21.17	9.1089	0.00	+20 8.7	0.3405	+0.1		1	0 43 48.01		52 10 42.1		a
	14	8 2 6	"	-0	25.67	9.1089	0.00	+18 19.8	0.3405	0.0		1	0 43 48.14		52 10 38.8		d
	14	7 27 0	L.	+0	1.02	9.2904	0.00	-11 54.3	0.3749	0.0		2	0 43 42.21		52 10 42.4		c